

FIGURE 1

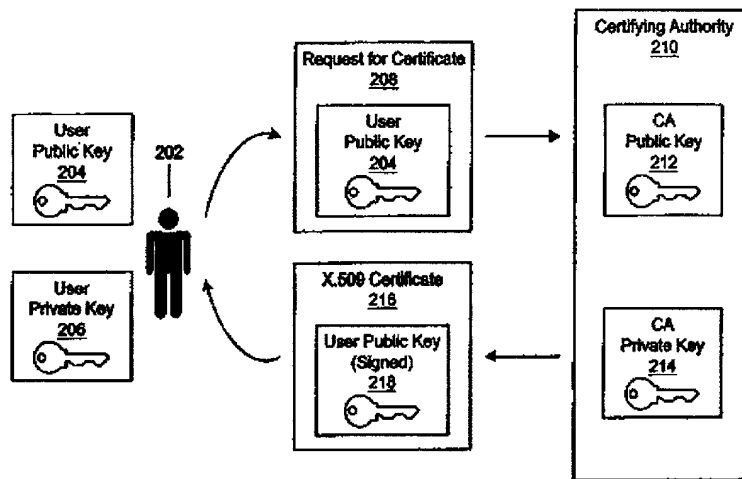


FIGURE 2

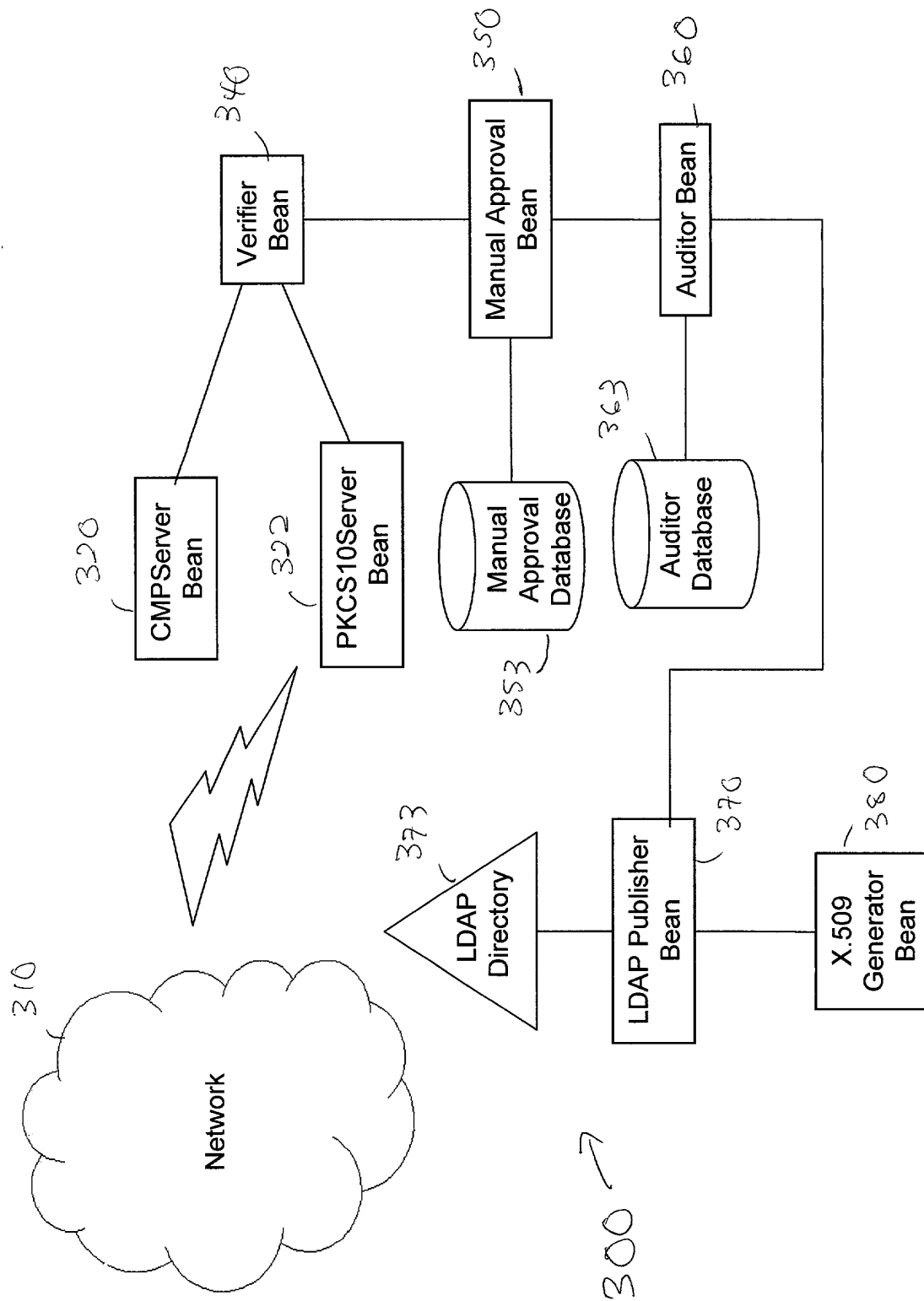


FIGURE 3

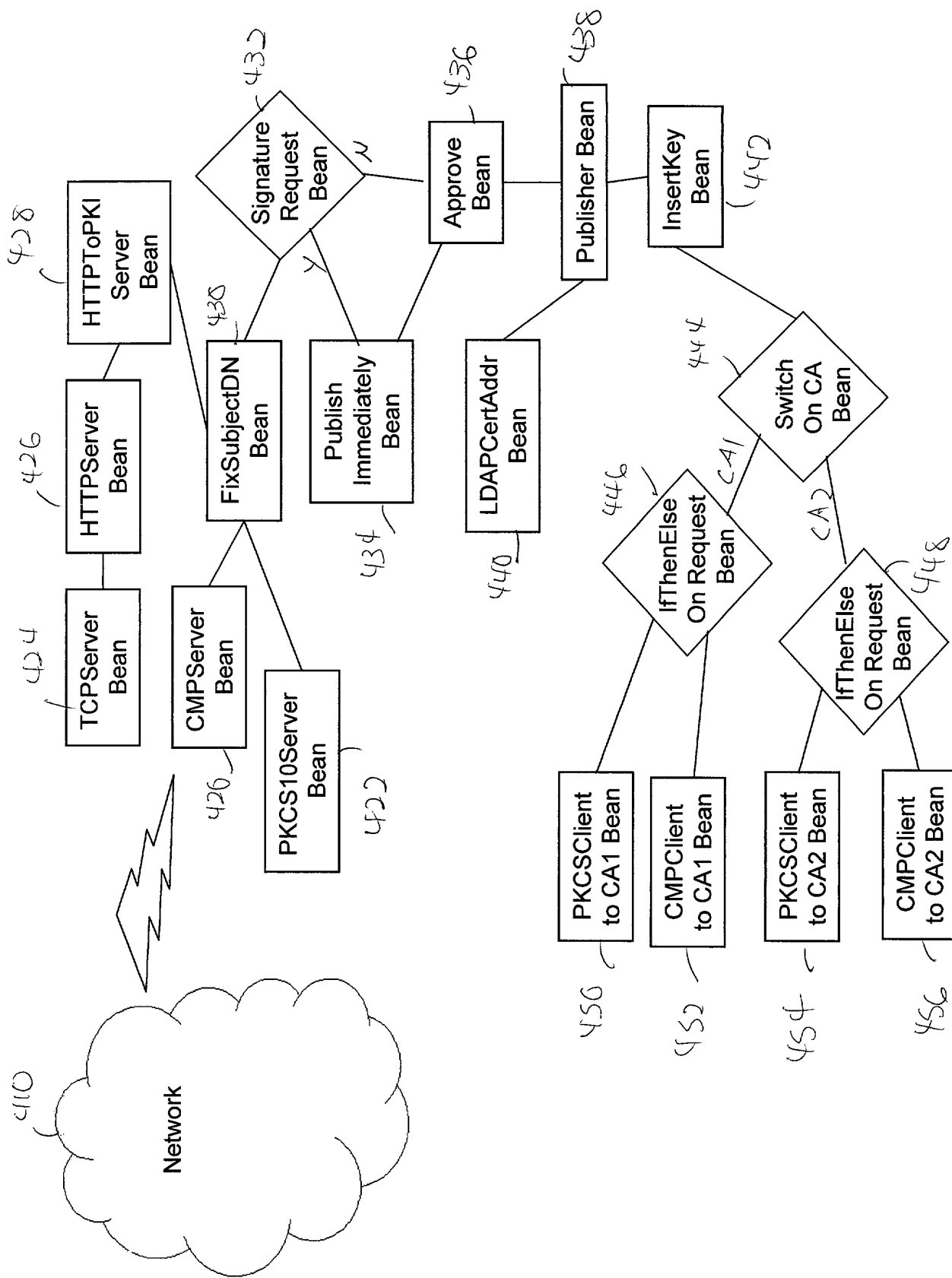


FIG. 5 is a block diagram of a system architecture. The system is divided into three main sections: End Entity, RA System, and CA System. The End Entity section contains a lightning bolt symbol. The RA System section contains two boxes: TCPMPServer Bean (510) and TCPXYZClient Bean (514). The CA System section contains two boxes: CertGenerator Bean (524) and TCPXYZServer Bean (520). A dashed line separates the End Entity from the RA System. A dashed line separates the RA System from the CA System. A lightning bolt symbol is located on the dashed line between the RA System and the CA System. Arrows indicate data flow: from TCPMPServer Bean (510) to TCPXYZClient Bean (514), and from TCPXYZServer Bean (520) to CertGenerator Bean (524).

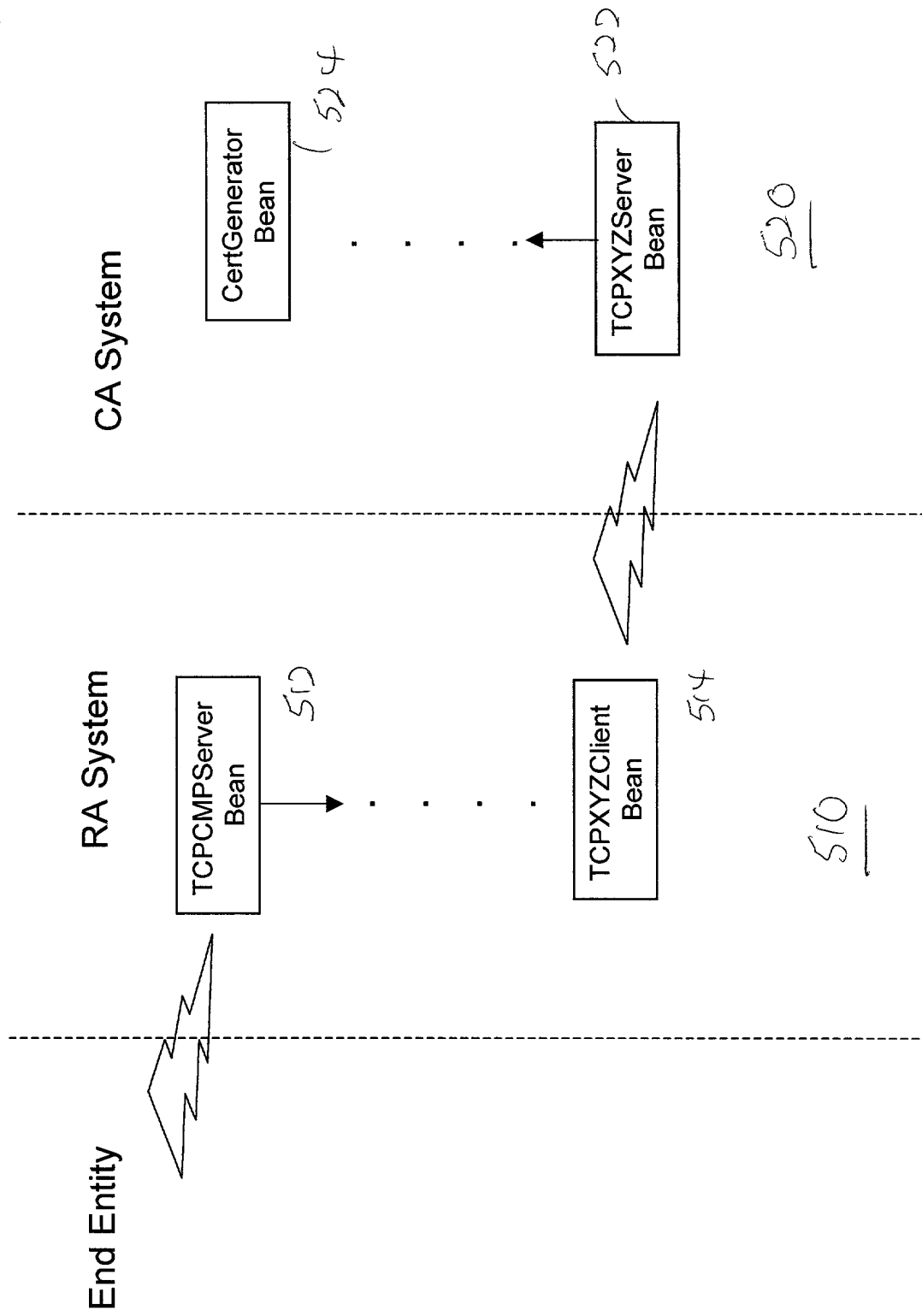


FIGURE 5

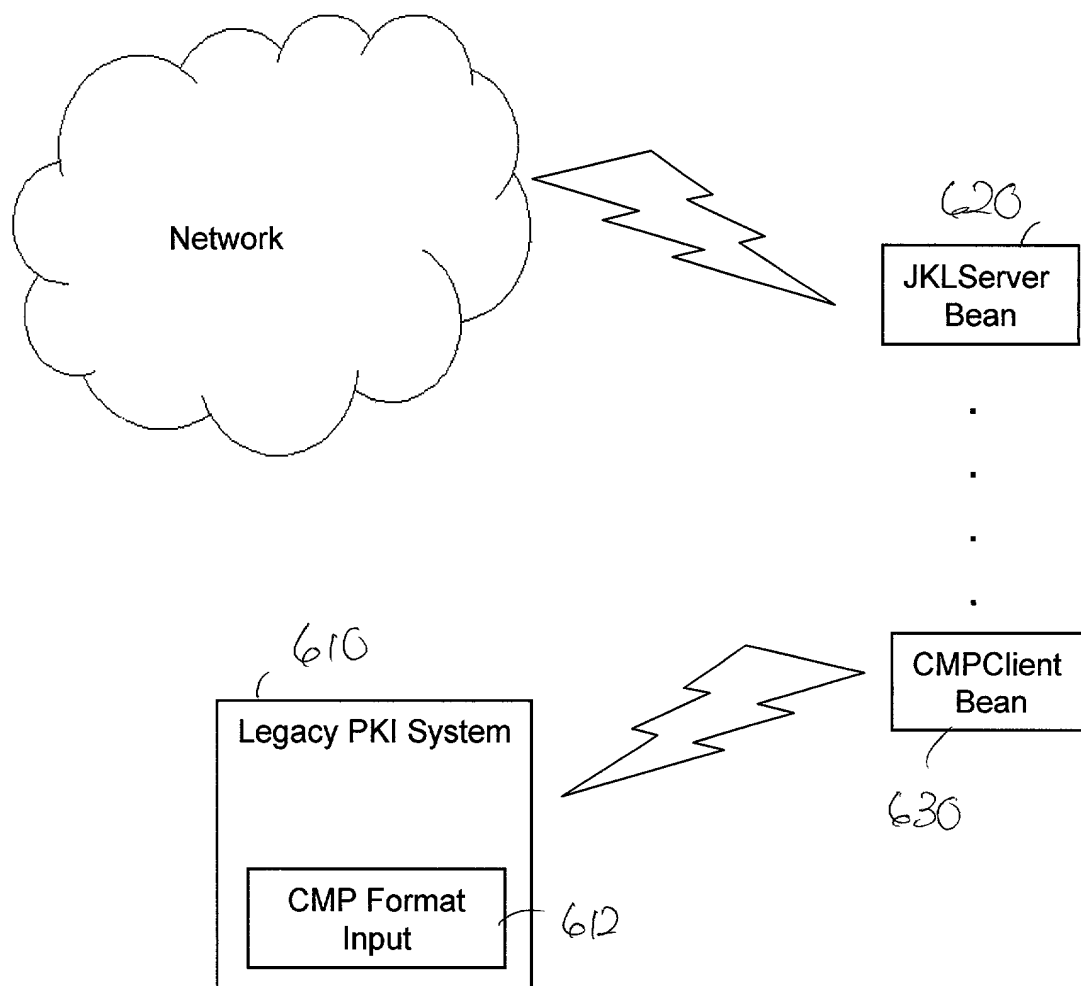


FIGURE 6

- ◆ PkEvent
 - ◆ PkReqEvent
 - ◆ PkCertReqEvent
 - ◆ PkInitialReqEvent
 - ◆ PkSecondaryReqEvent
 - ◆ PkUpdateReqEvent
 - ◆ PkCrossCertReqEvent
 - ◆ PkRevocationReqEvent
 - ◆ PkHttpReqEvent
 - ◆ PkKeyRecoveryReqEvent
 - ◆ PkRepEvent
 - ◆ PkCertRepEvent
 - ◆ PkInitialRepEvent
 - ◆ PkSecondaryRepEvent
 - ◆ PkUpdateRepEvent
 - ◆ PkCrossCertRepEvent
 - ◆ PkRevocationReqEvent
 - ◆ PkHttpRepEvent
 - ◆ PkKeyRecoveryRepEvent

FIGURE 7

- ◆ doReq(PkReqEvent ev)
 - ◆ doCertReq(PkCertReqEvent ev)
 - ◆ doInitialReq(PkInitialReqEvent ev)
 - ◆ doSecondaryReq(PkSecondaryReqEvent ev)
 - ◆ doUpdateReq(PkUpdateReqEvent ev)
 - ◆ doCrossCertReq(PkCrossCertReqEvent ev)
 - ◆ doRevocationReq(PkRevocationReqEvent ev)
 - ◆ doHttpReq(PkHttpReqEvent ev)
 - ◆ doKeyRecoveryReq(PkKeyRecoveryReqEvent ev)

FIGURE 8

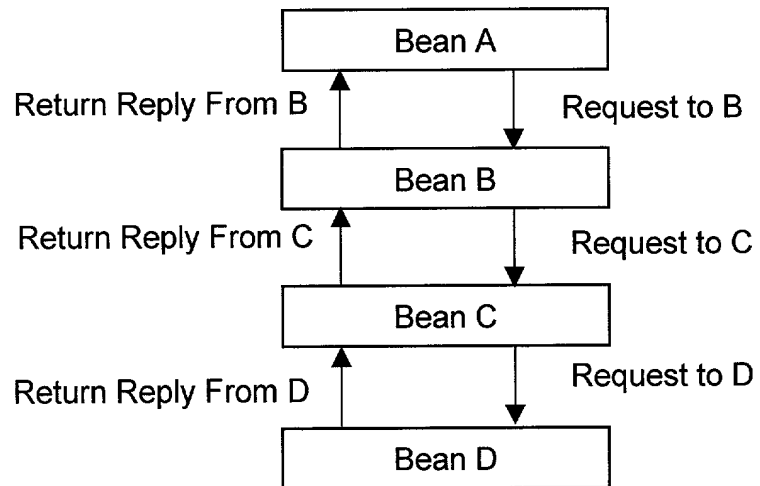


FIGURE 9